Electronic Supplementary Material (ESI) for Analytical Methods.


**Supplementary information**

# Simple manipulation of enzyme-linked immunosorbent assay (ELISA) using an automated microfluidic interface

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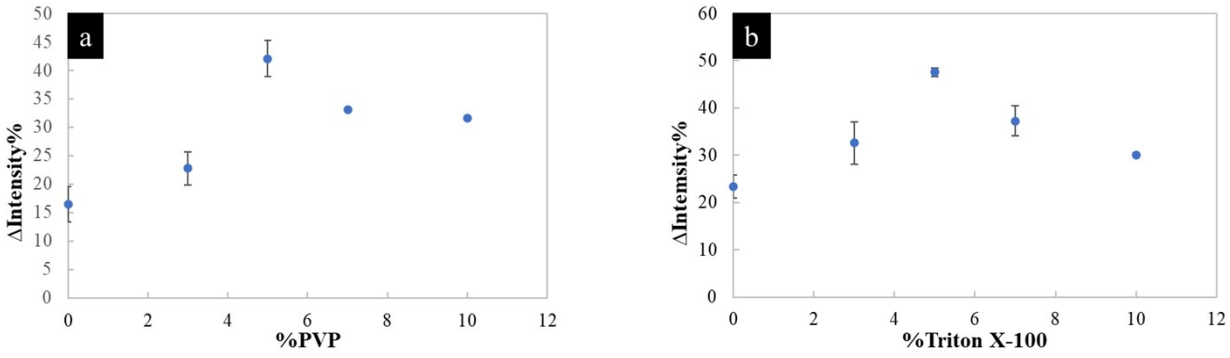


**Fig. S1.** Effect of (a) the amount of polyvinylpylolidone (%PVP) by fixing the amount of Triton X-100 at 2% and (b) the amount of Triton X-100 (%) by fixing the amount of PVP at 5% and LAM concentration at 1 μg $mL^{-1}$ on assay sensitivity.


**Fig. S2.** Effect of $H_2O_2$ form on signal intensity (a) dry and (b) fresh

**Video S1.** Flow characteristics in the device video. Green, blue, and yellow dyes were representative of detection Ab, DAB substrate, and $H_2O_2$, respectively